SSC MTS (2022) Official Paper (Held On: 03 May 2023 Shift 2) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2022 • 90 questions • 90 minutes • Answer key

Take this paper as a timed mock test

Practise under exam conditions, then review your answers after you submit.

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SESSION 1

Q1. C1, C2 and C3 can do a work alone in 10, 12 and 15 days respectively. All three of them began the work together but C2 left 2 days before the completion of the work. In how many days was the work completed?

(a) (12/5) days
(b) (14/3) days
(c) (18/5) days
(d) (17/3) days

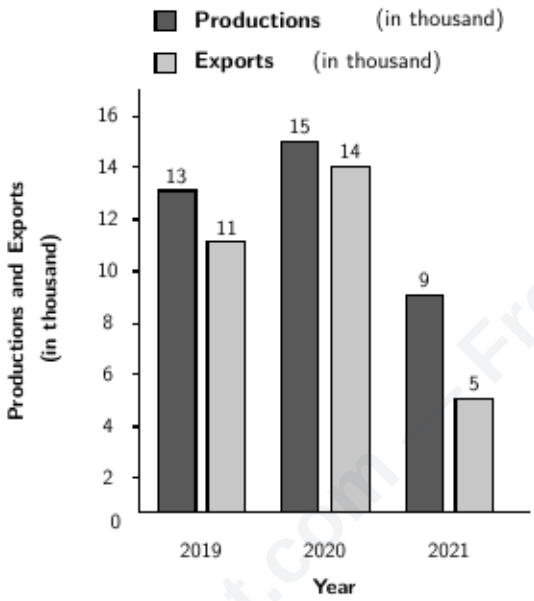
Q2. In A mixture of 180 litres, the ratio of milk and water is 5 : 1. If this ratio is to be 3 : 2, then find the quantity of water to be further added.

(a) 88 litres
(b) 66 litres
(c) 70 litres
(d) 72 litres

Q3. The marked price of an article is Rs. 400. It is sold for Rs. 300. If there is a loss of 15%, then by what percent above the cost is the article marked?

(a) 35.25%
(b) 25.05%
(c) 28.24%
(d) 13.33%

Q4. The bar graph shows the total production and export of computers (in thousands) by a company in three years. Find the average export by the company in the given years.



(a) 12,000
(b) 16,000
(c) 10,000
(d) 15,000

Q5. If Rs. 4200 is distributed among A, B, and C such that A : B = 2 : 3 and B : C = 6 : 5, then find the share of B.
(a) Rs, 1680
(b) Rs. 1770
(c) Rs. 1800
(d) Rs. 1550

Q6. Ajay can row his boat in still water, at a speed of 11 km/hr. If the speed of the stream is 7 km/hr, how long will it take to a distance of 54 km downstream?
(a) 4 hours
(b) 3 hours
(c) 2.5 hours
(d) 2 hours

Q7. A farmer's land is in the shape of a trapezium which has its parallel sides measuring 6.32 yards and 7.68 yards and the distance between the parallel sides is 5.50 yards. The cost of ploughing the land is Rs. 1200 per square yard. What amount have to be spent in order to plough the entire land?
(a) Rs. 36600
(b) Rs. 32500
(c) Rs. 55400
(d) Rs. 46200

Q8. Find the value of $\sqrt{[(13^2-8^2) \times 5+4]}$:
(a) 23
(b) 26
(c) 24
(d) 22

Q9. Maya bought a TV for Rs. 7980 including GST of 14%. What is the original cost of the TV without GST?
(a) Rs. 7080
(b) Rs. 7900
(c) Rs. 8880
(d) Rs, 7000

Q10. The volume of a hemisphere is 486π cm³. Find the radius.

(a) 4 cm
(b) 7 cm
(c) 9 cm
(d) 8 cm

Q11. A man buys 13 pens for a rupee. How many pens should he sell for a rupee to earn a profit of 30 percent?

(a) 5
(b) 15
(c) 10
(d) 8

Q12. What will be the compound interest accrued on a sum of Rs. 64000 at the rate of 5% per annum in 2 years compounded annually?

(a) Rs. 6560
(b) Rs. 8550
(c) Rs. 3050
(d) Rs. 4580

Q13. If the third proportion of 3 and x is 27 and the third proportion of 2 and y is 8, then find x : y.

(a) 9 : 4
(b) 3 : 7
(c) 4 : 5
(d) 7 : 9

Q14. Average marks obtained by 19 boys of a college is 48. If the highest marks and lowest marks obtained are removed, then the average marks reduces by 4. What is the average of the highest and lowest marks obtained?

(a) 76
(b) 80
(c) 84
(d) 82

Q15. What is the value of (14+7-12+15-17+2-3+17)/(2+7-9+2-4+22) ?

(a) 17/20
(b) 23/20
(c) 33/20
(d) 19/20

Q16. Find the value of 4 × {44 + (84 + 18 ÷ 3 × 3 - 40)}:

(a) 424
(b) 330
(c) 250
(d) 331

Q17. The price of a mobile is Rs. 30,000. The value of the mobile depreciates by 12% at the end of the first year and at the end of next year, it depreciates by 15%. What will be the value of the mobile after 2 years?

(a) Rs. 22,440
(b) Rs. 25,255
(c) Rs. 25,000
(d) Rs. 20,000

Q18. Tripti can construct a divider alone in 4 days while Rajan can construct it alone in 3 days. If they construct it together and get a payment of Rs. 14000, then what is Tripti's share?

(a) Rs. 8000
(b) Rs. 7000

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(c) Rs. 5000
(d) Rs. 6000

Q19. The average weight of 9 boxes is 61 kg. If three boxes having an average weight of 70 kg are removed, then what will be the new average weight of the remaining boxes?
(a) 54 kg
(b) 56.5 kg
(c) 55.5 kg
(d) 45.5 kg

Q20. The table shows the number of candidates recruited by four companies A, B, C and D over the years. Find the ratio of number of candidates recruited by company B in 2019 to the number of candidates recruited by company D in 2020.

Years	A	B	C	D
2018	55	40	25	15
2019	60	75	50	25
2020	65	30	40	65
2021	45	35	70	35

(a) 15 : 11
(b) 15 : 13
(c) 13 : 12
(d) 12 : 11

Q21. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. No rat is cow.

II. Some animal are rat.

Conclusions:

I. Some animal are cow.

II. Some cow are not rat.

III. All rat are animal.

(a) Both conclusions I and II follows
(b) Neither conclusion follows
(c) Only conclusion II follows
(d) Both conclusions I and III follows

Q22. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.

K4N : P9N :: A5Z : B11D :: P6R : ?

(a) R13S
(b) R13T
(c) S13T
(d) T13S

Q23. In a certain code language, 'CORRECT' is written as '3Q1818G320'. How will 'WRONG' be written in that language?
(a) 2318Q147
(b) 2314Q147
(c) 2138Q741
(d) 2218P147

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Q24. Six girls Mansi, Shweta, Monika, Payal, Aarti and Kajal are sitting around a circular table facing towards the centre (not necessarily in the same order). Kajal is to immediate left of Mansi. Shweta is third to the left of Mansi. Payal is second to the right of Kajal. Monika is not second to the left of Mansi. Who is fourth to the right of Aarti?

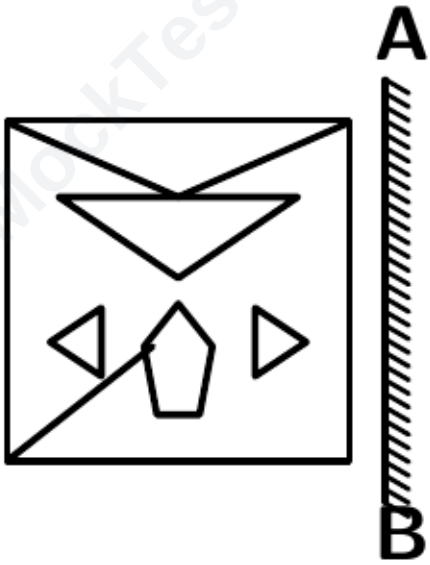
(a) Shweta
(b) Kajal
(c) Payal
(d) Monika

Q25. In the following question, select the missing number of the given series.

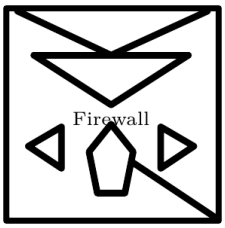
10, 9, 17, -10, 54, ?

(a) -67
(b) -71
(c) -82
(d) -103

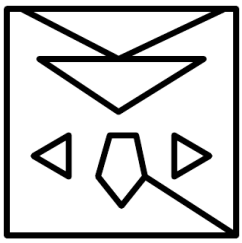
Q26. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?



(a)

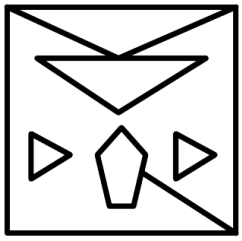


(b)

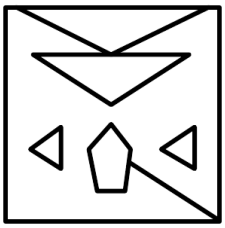


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(c)



(d)



Q27. In a certain code language, 'DOGS' is written as '5279', 'DRAW' is written as '1032', 'DOWN' is written as '8205'. What is 'S' written in that code language?

(a) 0
(b) 5
(c) 2
(d) 7

Q28. In the following question, select the missing number of the given series.

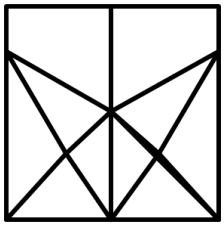
44, 20, -4, ?, -52, -76

(a) -10
(b) -28
(c) 0
(d) -20

Q29. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)

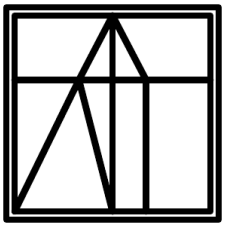


(a)

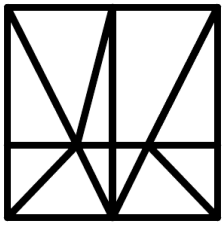


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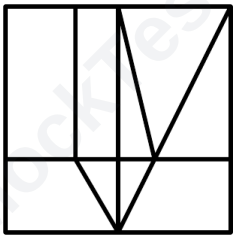
(b)



(c)



(d)



Q30. Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(100, 150, 125)

(500, 400, 450)

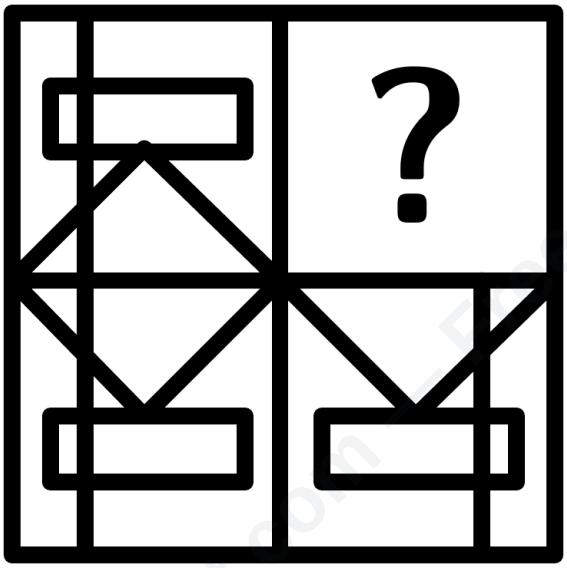
(a) (120, 100, 130)
(b) (180, 140, 260)
(c) (14, 16, 28)
(d) (200, 400, 300)

Q31. Seven workers Rahul, Ram, Ramesh, Sohan, Sahil, Anil and Sonu are sitting around a circular table facing towards the centre (not necessarily in the same order). Anil is immediate neighbour of both Ram and Sonu. Ram is second to the right of Sahil. Rahul is immediate neighbour of both Sahil and Sohan. Who is second to the left of Rahul?

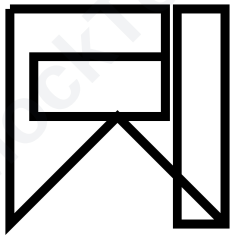
(a) Sonu
(b) Ram
(c) Ramesh
(d) Anil

Q32. Which answer figure will complete the pattern in the question figure?

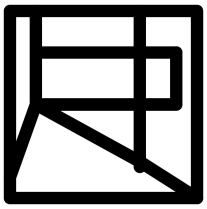
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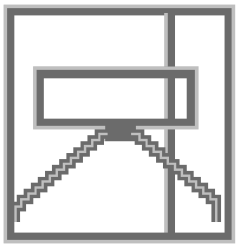
(a)



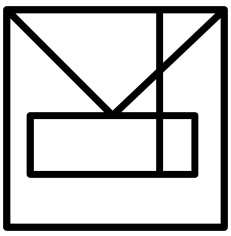
(b)



(c)



(d)



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Q33. In a certain code language, 'ZEBRA' is written as 'YDAQZ'. How will 'HORSE' be written in that language?

(a) GNQRD
(b) GNRQA
(c) GNQRS
(d) GQDRE

Q34. Select the option that is related to the fourth term in the same way as the first term is related to the second term and fifth term is related to sixth term.

FAR : HDT :: ? : ODD :: PQR : RTT

(a) MAC
(b) MAB
(c) NAB
(d) NBB

Q35. After interchanging which two numbers, the value of the given equation will be '5'?

7 - 3 ÷ 9 × 2 + 4

(a) 2 and 9
(b) 4 and 2
(c) 7 and 4
(d) 3 and 9

Q36. Select the option that is related to the third word in the same way as the second word is related to the first word.

Garage : Bike :: Aquarium : ?

(a) Rabbit
(b) Fish
(c) Rat
(d) Sparrow

Q37. Number of trucks parked in five parking areas S1, S2, S3, S4 and S5 are compared. Number of trucks parked in S3 are more than only S2. Number of trucks parked in S5 are less than only S1. If the number of trucks parked in parking area S3 are 1200, then how many trucks can be parked in parking area S1?

(a) 1154
(b) 1184
(c) 1197
(d) 1346

Q38. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. All L are P.

II. All P are V.

Conclusion:

I. Some L are V.

II. No V is L.

(a) Both conclusions I and II follows
(b) Only conclusion I follows
(c) Neither conclusion follows
(d) Only conclusion II follows

Q39. In a certain code language, 'JUNO' is written as '1356' and 'HATE' is written as '8125'. How will 'TOWER' be written in that language?

(a) 25659
(b) 26659

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(c) 26559
(d) 26569

Q40. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

PV, RZ, TD, ?, XL

(a) UH
(b) VH
(c) VG
(d) UG

SESSION 2

Q41. During the Sultanate of Delhi, the term "Ulema" was associated with _____.

(a) Commander-in-chief
(b) Village Revenue officer
(c) Learned theologians and Jurists
(d) Postal officer

Q42. Which plant tissue is responsible for the transportation of water and minerals from the soil to the stems and leaves?

(a) Parenchyma
(b) Xylem
(c) Collenchyma
(d) Phloem

Q43. Who was the court poet of Harshavardhana?

(a) Hema Saraswati
(b) Sri Ponna
(c) Banabhatta
(d) Parmanand

Q44. Which is the oldest tennis tournament in the world?

(a) Australian Open
(b) French Open
(c) US Open
(d) Wimbledon

Q45. Which union territory has a high court of its own?

(a) Chandigarh
(b) Dadra and Nagar Haveli
(c) Andaman and Nicobar Islands
(d) Delhi

Q46. Cells were first observed in cork by _____ in 1665.

(a) Theophrastus
(b) Edward Jenner
(c) Robert Hooke
(d) Anton van Leeuwenhoek

Q47. Which harvest festival is famously celebrated in Assam?

(a) Lohri
(b) Makar Sankranti
(c) Onam
(d) Bhogali Bihu

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Q48. Ustad Shafaat Ahmed Khan was best known for which of the following instrument?

(a) Rudra Veena
(b) Tabla
(c) Harmonium
(d) Violin

Q49. Which state government launched the "Panchamrut Yojana"?

(a) West Bengal
(b) Odisha
(c) Karnataka
(d) Uttar Pradesh

Q50. How many field players are in a hockey team?

(a) 7
(b) 9
(c) 11
(d) 14

Q51. Gorakhpur is the headquarter of ____ Railway of India.

(a) Eastern
(b) North-Eastern
(c) Northern
(d) Western

Q52. When the British rule ended in India in the year 1947 the literacy rate was just _____.

(a) 22 percent
(b) 12 percent
(c) 20 percent
(d) 18 percent

Q53. The reaction between an acid and a base is known as _____.

(a) Sub-alteration reaction
(b) Condensation reaction
(c) Neutralisation reaction
(d) Oxidation reaction

Q54. Who was the founder of Prarthana Samaj?

(a) Ram Singh
(b) Tulsi Ram
(c) Swami Vivekananda
(d) Atmaram Pandurang

Q55. The Election Laws (Amendment) Bill, 2021 belongs to _____ Ministry of India.

(a) Law and Justice
(b) Earth Sciences
(c) Tribal Affairs
(d) Home Affairs

Q56. 'A Life of the Genius: The Man Who Knew Infinity' is a biography of Indian mathematician _____.

(a) Srinivasa Ramanujan
(b) Aryabhata
(c) Neena Gupta
(d) Acharya Pingala

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Q57. Out of the following, which one is a fundamental right in the constitution of India?

(a) Right to Freedom
(b) Right to Opportunities
(c) Right to Work
(d) Right to Vote

Q58. The intervention of the government whether to expand demand or reduce it constitutes the_____.

(a) redistribution function
(b) expenditure function
(c) stabilisation function
(d) transition function

Q59. Which river is also known as Dakshin Ganga?

(a) Tungabhadra
(b) Kaveri
(c) Krishna
(d) Godavari

Q60. Who won the prestigious Abhinandan Saroja National Award 2021 by the National Institute of Indian Classical Dance?

(a) Aparna Satheesan
(b) Saroj Khan
(c) Pandit Birju Maharaj
(d) Srimanta Sankardev

Q61. The forces which act in the interior of the earth are called as _____.

(a) endogenic forces
(b) frictional forces
(c) gravitational forces
(d) exogenic forces

Q62. Which among the following socio religious community was founded by Raja Ram Mohan Roy?

(a) Prarthana Samaj
(b) Brahmo Samaj
(c) Akali Dal
(d) Arya Samaj

Q63. Bahmani Monuments at Gulbarga, Karnataka represent _____ style of architecture.

(a) Deccan
(b) Mameluke
(c) Sikh
(d) Nagara

Q64. Rukmini Devi Arundale was a famous exponent of which form of dance?

(a) Kuchipudi
(b) Bharatnatyam
(c) Kathakali
(d) Mohiniattam

Q65. Unemployment caused by the recession of 2008-2010 is an example of which of the following types of unemployment?

(a) Frictional
(b) Classical
(c) Structural
(d) Cyclical

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Q66. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Some plants secrete oils during dry periods, and when it rains, these oils are released on the air.

(a) Some plants secrete oils during
(b) dry periods, and when it rains,
(c) these oils are released on the air.
(d) No error

Q67. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Out of the woods

(a) To meet with disaster
(b) Out of danger
(c) Not adhering to rules
(d) To lose contact

Q68. Select the most appropriate word for the given group of words.

One who makes an active effort to promote human welfare

(a) Philanthropist
(b) Feminist
(c) Sexist
(d) Misogynist

Q69. Choose the sentence with no spelling error.

(a) Servise industries rely on a set of processes.
(b) Service industreis relie on a set of processes.
(c) Service industries rely on a set of procceses.
(d) Service industries rely on a set of processes.

Q70. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

The home I _____ with my husband in 1986 still smelled like him.

(a) sharing
(b) had shared
(c) shared
(d) have shared

Q71. Select the most appropriate option to fill in the blank.

We didn't mean to _____ all of you waiting.

(a) keep
(b) make
(c) creep
(d) seep

Q72. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

My parents used to encouraged me to devote more time to study.

(a) encourage me to devote
(b) encourages me to devote
(c) No improvement
(d) encouraging me devoting

Q73. Select the appropriate antonym for the underlined word.

A war has been unleashed on financial untouchability.

(a) confined
(b) regarded

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(c) unchained
(d) free

Q74. Choose the incorrectly spelt word.
(a) Advance
(b) Start
(c) Discribe
(d) Melting

Q75. Select the most appropriate meaning of the given idiom.
Buy a lemon
(a) To not complain
(b) The ability to know what's happening
(c) To buy something that is worthless
(d) Wear fashionable clothing

Q76. Select the most appropriate option to fill in the blank.
Everyone who studies forests knows trees have been dying in large and _____ numbers.
(a) minority
(b) scanty
(c) peculiar
(d) massive

Q77. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.
Now, (how much autograph) would you like? I can do joined-up writing now, you know!'
(a) how much many autographs
(b) how many autographs
(c) No correction required
(d) how most autographs

Q78. Choose the word that can substitute the given group of words.
A diagram showing the path of planets
(a) Platitude
(b) Horoscope
(c) Zodiac
(d) Planetarium

Q79. Select the appropriate synonym for the underlined word.
He wasn't entirely convinced.
(a) submerged
(b) accepting
(c) doubting
(d) trustless

Q80. Choose the word that is opposite in meaning to the given word.
Proceed
(a) Accidental
(b) Local
(c) Withdraw
(d) Wide

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Q81. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Much of the art he / discusses is funny, playing / and mischievous.

(a) discusses is funny, playing
(b) No error
(c) and mischievous.
(d) Much of the art he

Q82. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Air Travel is the _____ growing emitter of climate change gases.

(a) fastly
(b) fastest
(c) fast
(d) fasting

Q83. Choose the word that means the same as the given word.

Valiance

(a) Dastardliness
(b) Cravenness
(c) Gallantry
(d) Patience

Q84. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Just because I am quiet doesn't mean I can't scold you.

(a) I can't scold you.
(b) quiet doesn't mean
(c) Just because I am
(d) No error

Q85. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The water leaked in with a hole in the roof.

(a) through a holes
(b) No improvement
(c) by a holed
(d) through a hole

Directions

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

When Jane died (1)_____ 1850, she was called "one of the most distinguished novelists (2)___ England has produced" and "the first who (3)___ that beautiful kind of fiction, the historical romance." The Porter sisters' careers ended (4)___ as the Brontë sisters were getting started in the early Victorian (5)_____.

Q86. Select the most appropriate option to fill in blank number 1.

(a) on
(b) in
(c) into
(d) at

Directions

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

When Jane died (1)_____ 1850, she was called "one of the most distinguished novelists (2)___ England has produced" and "the first who (3)___ that beautiful kind of fiction, the historical romance." The Porter sisters' careers ended (4)___ as the Brontë

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sisters were getting started in the early Victorian (5)_____.

Q87. Select the most appropriate option to fill in blank number 2.

(a) who
(b) which
(c) what
(d) whose

Q88. Select the most appropriate option to fill in blank number 3.

(a) energized
(b) casted
(c) introduced
(d) dismissed

Q89. Select the most appropriate option to fill in blank number 4.

(a) lest
(b) that
(c) just
(d) must

Q90. Select the most appropriate option to fill in blank number 5.

(a) period
(b) terms
(c) session
(d) spell

ANSWER KEY

1	a	2	a	3	a	4	a	5	a	6	a	7	a	8	a	9	a	10	a
11	a	12	a	13	a	14	a	15	a	16	a	17	a	18	a	19	a	20	a
21	a	22	a	23	a	24	a	25	a	26	a	27	a	28	a	29	a	30	a
31	a	32	a	33	a	34	a	35	a	36	a	37	a	38	a	39	a	40	a
41	a	42	a	43	a	44	a	45	a	46	a	47	a	48	a	49	a	50	a
51	a	52	a	53	a	54	a	55	a	56	a	57	a	58	a	59	a	60	a
61	a	62	a	63	a	64	a	65	a	66	a	67	a	68	a	69	a	70	a
71	a	72	a	73	a	74	a	75	a	76	a	77	a	78	a	79	a	80	a
81	a	82	a	83	a	84	a	85	a	86	a	87	a	88	a	89	a	90	a

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